Index of Claims



Application/Control No.

10/809,365

Examiner

Geoffrey Mruk

Date

Applicant(s)/Patent under Reexamination

OKAMOTO, TSUGIO

Art Unit

2853

| <b>√</b> | Rejected |
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| -        | Allowood |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

Claim

| N | Non-Elected  |
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| _ | Interference |

| A | Appeal   |
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| 0 | Objected |

| Cla      | aim  | Date      |          |              |          |                                     |          |          |          |          |  |
|----------|--|-----------|----------|--------------|----------|-------------------------------------|----------|----------|----------|----------|--|
| Final    | Original   | 1/27/07   |          |              |          |                                     |          |          |          |          |  |
|          | 1  | 1         |          |              |          |                                     |          |          |          |          |  |
|          | 1<br>2<br>3<br>4   | 1         |          |              |          |                                     |          |          |          |          |  |
|          | 3  | 1         |          |              |          |                                     |          |          |          |          |  |
|          | 4  | 1         |          |              | •        |                                     |          |          |          |          |  |
|          | 5  | 1         |          |              |          |                                     |          |          |          |          |  |
|          | 6  | 1         |          |              |          |                                     |          |          |          |          |  |
|          | 7  | √         |          |              |          |                                     |          |          |          |          |  |
|          | 8  | 1         |          | <u> </u>     |          |                                     |          |          |          |          |  |
|          | 9  | 1         |          | L            | _        |                                     |          |          |          |          |  |
|          | 10   | N         | L        | L            | _        | _                                   |          |          | L        | L        |  |
|          | 11   | N         | L.       | 乚            | L        |                                     | L        |          |          | <u> </u> |  |
|          | 12   | N         |          | L            |          |                                     |          |          |          |          |  |
| ļ        | 13   | _         | <u> </u> | _            | _        | <u> </u>                            | _        |          | <u> </u> | <u> </u> |  |
|          | 11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20 |           |          |              |          | L.                                  |          |          |          | L_       |  |
|          | 15   |           | L        | <u> </u>     |          |                                     |          |          |          |          |  |
|          | 16   | L         | _        |              | <u> </u> | L                                   |          |          |          | <u>_</u> |  |
|          | 17   |           | L        |              |          |                                     | L        | L        | L        |          |  |
|          | 18   |           | L_       |              |          | L_                                  |          |          |          |          |  |
|          | 19   | L         |          |              |          |                                     |          |          |          |          |  |
|          | 20   |           |          |              |          |                                     |          |          |          |          |  |
|          | 21   |           |          | _            |          | L_                                  |          |          |          |          |  |
|          | 22   |           |          |              |          |                                     |          |          |          | _        |  |
|          | 22<br>23   |           |          |              |          |                                     |          |          |          |          |  |
|          | 24   |           |          | 乚            | L.       | L                                   |          |          |          |          |  |
|          | 25   | Ш         |          |              |          |                                     | L        | _        | _        | L        |  |
|          | 26   |           |          | _            |          |                                     |          | _        |          | L        |  |
|          | 27   |           |          |              |          |                                     |          |          |          | _        |  |
|          | 26<br>27<br>28<br>29                                     |           |          | <u>L</u>     |          |                                     |          | L        | _        | <u> </u> |  |
|          | 29   |           |          |              |          |                                     |          | L        | _        |          |  |
|          | 30<br>31   |           | Ŀ        | L            |          |                                     |          |          |          | L        |  |
|          | 31   | L.,       |          | L            |          | <u> </u>                            | L        |          | <u> </u> | L        |  |
|          | 32<br>33   |           |          |              |          | L                                   |          |          | _        |          |  |
| L        | 33   |           |          |              |          | L_                                  | <u> </u> |          | _        |          |  |
|          | 34   | Ш         |          | _            | <u> </u> | <u> </u>                            | L.       |          |          |          |  |
|          | 35   |           |          | _            | <u> </u> | <u> </u>                            | <u> </u> | <u> </u> | <u> </u> | <u> </u> |  |
|          | 36   | L         |          |              | _        | _                                   |          | _        | <u> </u> |          |  |
|          | 37   | <u> </u>  |          | lacksquare   | <u> </u> | <u> </u>                            | <u> </u> | <u> </u> | <u> </u> | oxdot    |  |
|          | 38   |           |          | <u> </u>     | L_       | <u> </u>                            |          | L        | L-       | L        |  |
| <u> </u> | 39   | Щ         | _        | <u> </u>     | <u> </u> | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | L        | <u> </u> | $\vdash$ | _        |  |
|          | 40   | $\vdash$  |          | $oxed{oxed}$ |          | <u> </u>                            | _        | <u> </u> | <u> </u> | oxdot    |  |
|          | 41   | Щ         |          |              |          | $\vdash$                            | L.       | L.       | L        | <u> </u> |  |
|          | 42   | Щ         | _        | _            | <u> </u> | $\vdash$                            | <u> </u> | <u> </u> | L_       | Ш        |  |
|          | 43   | $\vdash$  |          | _            | _        | _                                   | <u> </u> | <b> </b> | L.       |          |  |
|          | 44   | Ш         |          | $\vdash$     | <u> </u> | <u> </u>                            |          | -        | _        |          |  |
|          | 45   |           |          | $\vdash$     |          | $\vdash$                            | H        | <u> </u> | <u> </u> | Ь        |  |
|          | 46   |           | _        |              | <u> </u> | <u> </u>                            |          | -        | -        |          |  |
|          | 47   |           |          | $\vdash$     | <u> </u> | L.,                                 | <u> </u> | Ш        | Щ.       | L        |  |
|          | 48   |           | _        | Щ            |          | $\vdash$                            | $\vdash$ | L        | L        | Щ        |  |
|          | 49<br>50   | $\square$ |          | <u> </u>     | <u> </u> | <u> </u>                            | _        | <u> </u> | Ш        |          |  |
| 1        | 50   |           |          |              |          |                                     |          |          | 1        | 1        |  |

| <u> </u> | 11111    | ⊢        | _        | , .  | , -      | Jac          | -            |          |              | _  | 1 | 5     | 21111    | Ь.       |                    |   |          | Jau            | <del>-</del> |                |                |                 |
|----------|----------|----------|----------|--|----------|--------------|--------------|----------|--------------|--|---|-------|----------|----------|--------------------|---|----------|----------------|--------------|----------------|----------------|-----------------|
|          | Original | 1/27/07  |          |  |          |              |              |          |              |  |   | Final | Original |          |                    |   |          |                |              |                |                |                 |
|          | 1        | 1        |          | <del> </del>                                     | Т        |              | Т            | ┢        | $\vdash$     |  | 1 |       | 51       |          |                    |   |          | _              |              | $\vdash$       |                | $\Box$          |
|          | 2        | Ì        |          | <del>                                     </del> |          | $\vdash$     | <u> </u>     | $\vdash$ |              | ┢  |   |       | 51<br>52 |          |                    |   | _        |                |              | <u> </u>       |                | $\vdash$        |
| $\dashv$ | 3        | 1        | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$     | $\vdash$     | -        | ┢            | ┢  |   |       | 53       | $\vdash$ |                    |   |          | -              | _            |                |                | Н               |
| -        | 4        | Ì        |          | -  |          | $\vdash$     |              | $\vdash$ | ├            | -  |   |       | 54       | Н        |                    |   | _        |                | $\vdash$     | _              |                | Н               |
| -        | 5        | 1        |          | ┢  | ╁        | ┢            | <del> </del> | ┢        | ┢            | ┢─   |   |       | 55       |          | Н                  |   |          |                | <u> </u>     | -              |                | $\vdash$        |
|          | 6        | 7        | -        |  |          | -            | -            | -        | ⊢            | $\vdash$   |   |       | 56       | $\vdash$ | Н                  |   | H        |                | -            |                |                | Н               |
| -        | 6<br>7   | Ť        | _        | -  | $\vdash$ | $\vdash$     | -            | -        | $\vdash$     | $\vdash$   |   |       | 57       | $\vdash$ |                    |   |          |                |              |                |                | Н               |
| $\dashv$ | 8        | 7        |          | -  | ⊢        | -            | -            | ├─       | ├            | <del>                                     </del> |   |       | 58       |          |                    |   | _        |                | -            | -              | _              | $\vdash \vdash$ |
|          | 9        | 1        |          |  | $\vdash$ | -            | _            | $\vdash$ | -            |  |   |       | 59       | _        |                    | _ | —        |                |              | -              | -              | Н               |
| -        | 10       | N        |          | -  | $\vdash$ |              |              | -        | -            | $\vdash$   |   |       | 60       |          | -                  | _ | _        | _              | $\vdash$     | _              | -              | $\vdash$        |
| -        | 11       | N        |          | -  | ├        | <del> </del> | ┢            | ┝        | $\vdash$     | -  |   |       | 61       |          |                    |   |          |                |              | -              |                | $\vdash$        |
| -        | 12       | N        |          | ⊢  | -        |              |              | -        | $\vdash$     | -  |   |       | 62       |          |                    | _ | _        | _              |              |                | Н              | Н               |
|          | 13       | -        |          | ┝  | -        | _            | <del> </del> |          |              | H  |   |       | 63       | Н        |                    |   | $\vdash$ | -              |              | $\vdash$       |                | $\vdash$        |
| ᅱ        | 14       | -        |          | ├  |          |              |              |          | -            | $\vdash$   |   |       | 64       |          |                    |   | _        |                | —            |                |                | $\vdash$        |
| $\dashv$ | 14<br>15 |          |          |  | ⊢        | -            |              |          | <del> </del> | -  |   |       | 65       | Н        |                    | _ |          |                |              | _              |                | $\vdash$        |
| -        | 16       | _        |          | -  | -        | ┝            | H            |          |              | -  |   |       | 66       | Н        |                    | _ |          |                |              |                | Н              | $\vdash$        |
| $\dashv$ | 17       | _        |          | ⊢  | ⊢        | -            | -            |          | -            | -  |   |       | 67       | $\vdash$ |                    |   |          |                |              |                |                | $\dashv$        |
| $\dashv$ | 18       |          |          | $\vdash$   | _        | $\vdash$     | -            |          | -            | _  |   |       | 67       |          | $\vdash$           | _ |          |                | _            |                | -              | $\dashv$        |
|          | 10       |          |          | -  | H        | <u> </u>     | H            |          |              | H  |   |       | 68       | _        |                    | _ |          |                |              |                | -              | $\dashv$        |
| -        | 19       | _        | _        | _  | _        |              | -            |          |              | H  |   |       | 69       | $\vdash$ | -                  |   |          |                | _            |                |                | _               |
| $\dashv$ | 20<br>21 |          |          | -  |          | -            |              |          |              | -  |   |       | 70       | -        | -                  | _ |          |                |              |                | -              | $\dashv$        |
| $\dashv$ | 21       |          |          | ⊢  | $\vdash$ | ├-           |              | _        | ┝            | H  |   |       | 71       | -        |                    |   |          |                |              |                | -              | $\dashv$        |
| $\dashv$ | 22<br>23 | -        |          | _  | _        | _            |              |          | <u> </u>     | <u> </u>   |   |       | 72       |          | _                  | _ |          | -              |              | _              | -              |                 |
| $\dashv$ | 23       | -        |          |  |          | _            |              |          | <u> </u>     | _  |   |       | 73       |          |                    |   |          |                | _            |                | $\dashv$       | $\dashv$        |
| -        | 24       |          |          | ┝  | <u> </u> | <u> </u>     |              |          |              |  |   |       | 74       |          |                    |   |          |                | _            |                | $\dashv$       | $\dashv$        |
|          | 25       | -        |          | _  |          |              | _            | _        | -            | _  |   |       | 75       | $\dashv$ |                    | _ |          | _              |              | $\blacksquare$ | $\dashv$       | $\dashv$        |
| $\dashv$ | 26       | _        |          | _  | _        |              | Н            |          |              | _  |   |       | 76       | _        | $\dashv$           | _ |          | $\blacksquare$ |              |                | _              |                 |
| $\dashv$ | 27       | -        |          | <u> </u>   | <u> </u> | _            | _            |          | _            | _  |   |       | 77       |          | _                  | _ |          |                |              |                | -              | _               |
| -        | 28       | -        |          | <u> </u>   | -        | _            |              | $\vdash$ | $\vdash$     | _  | 1 |       | 78       | $\dashv$ | -                  |   |          |                |              |                | $\blacksquare$ | $\dashv$        |
| -        | 29       |          |          | <u> </u>   | <u> </u> | _            |              | _        | _            | _  |   |       | 79       |          |                    | _ | _        | _              |              |                |                | _               |
| _        | 30       | $\dashv$ | •        | <u> </u>   |          |              |              |          |              | <u> </u>   |   |       | 80       |          | _                  |   | _        | _              |              |                | _              |                 |
| -        | 31       |          |          | L  |          |              |              |          | _            | $\Box$   |   |       | 81       |          | _                  | _ |          | _              |              |                | $\Box$         | _               |
|          | 32       |          |          |  |          | _            |              |          | _            |  |   |       | 82       |          | $\dashv$           | _ |          | _              |              |                | _              |                 |
| _        | 33       | _        | _        |  |          |              | _            |          |              |  |   |       | 83       |          | _                  | _ | _        | _              |              |                |                |                 |
| -1       | 34       | _        |          | _  |          | _            | _            | _        |              |  |   |       | 84       |          |                    | _ |          |                |              |                |                |                 |
| 4        | 35       |          |          |  | _        |              | _            |          |              |  |   |       | 85       |          | _                  | _ |          | _              | _            | _              |                | _               |
|          | 36       | _        |          |  |          |              |              |          |              |  |   |       | 86       |          | _                  | _ | _        | _              |              |                |                | _               |
| $\dashv$ | 37       |          |          |  |          | _            |              |          |              | $\Box$   |   |       | 87       |          | _                  |   |          | _              |              |                | _              | _               |
|          | 38       |          |          |  |          |              | _            |          |              | Щ  |   |       | 88       |          | _                  | ᆜ | _        | _              |              |                |                |                 |
| 4        | 39       |          | _        | _  |          |              | _            | Ш        |              |  |   |       | 89       |          | _                  | _ |          | _              |              |                | _              |                 |
|          | 40       | $\dashv$ |          |  |          |              | $\Box$       |          |              | Ш  |   |       | 90       |          | _                  | 4 | _        | _              |              |                |                | _               |
| 4        | 41<br>42 | _        |          | _  |          |              |              |          |              |  |   |       | 91<br>92 |          | _                  |   |          | _              | _            | _              | _              | _               |
| -        | 42       | _        | _        |  | _        |              |              | $\Box$   |              |  |   |       | 92       |          | _                  | _ |          | _              | _            |                |                | _               |
| _        | 43       | _        |          |  |          |              |              |          |              | $\Box$   |   |       | 93       | _        | _                  |   | _        | _              | _            |                | _              |                 |
| -        | 44       | _        |          |  |          |              | _            |          | _            |  |   |       | 94       | _        | _                  |   |          |                |              |                | _              | _               |
| 4        | 45       |          |          | <u> </u>   |          |              |              |          |              |  |   |       | 95       |          | _                  |   | _        |                |              |                | _              | $\Box$          |
| _        | 46       |          | _        |  | Щ.       |              | Ш            |          |              | Щ  |   |       | 96       |          |                    |   | _        |                |              |                |                |                 |
| _        | 47       |          |          | L_   | Щ        | <u> </u>     |              |          |              |  |   |       | 97       |          |                    |   |          |                |              |                |                |                 |
| 4        | 48       | ļ        |          |  |          |              |              |          |              |  |   |       | 98       |          | $\perp \downarrow$ | _ |          |                |              |                |                |                 |
| _        | 49       | ļ        |          |  |          |              |              |          |              |  |   |       | 99       |          |                    |   |          |                |              |                |                | _               |
| ╛        | 50       |          |          | L  |          |              |              |          |              |  | l |       | 100      |          |                    |   |          |                |              |                |                |                 |
|          |          |          |          |  |          |              |              |          |              |  |   |       |          |          |                    |   |          |                |              |                |                |                 |

| CI    | aim   | Date     |          |  |              |          |          |          |            |          |  |
|-------|---|----------|----------|--|--------------|----------|----------|----------|------------|----------|--|
|       |   |          |          | Γ  |              | Π        |          | Π        |            |          |  |
| Final | Original  |          |          |  |              |          |          |          |            |          |  |
|       | 101<br>102<br>103   |          |          |  |              | -        |          |          |            | Н        |  |
|       | 102   |          |          |  |              |          |          |          | Γ          | $\Box$   |  |
|       | 103   |          |          |  |              |          |          |          |            |          |  |
|       | 104   |          |          |  |              |          |          |          |            |          |  |
|       | 104<br>105<br>106   | Ĺ        |          | Ŀ  |              |          | L        | _        | _          |          |  |
|       | 106   |          | _        | L.   |              | _        |          |          | _          | Ш        |  |
|       | 107   |          | <u> </u> | ╙  | <u> </u>     | ــــ     | <u> </u> | <u> </u> | <u> </u> _ | Щ        |  |
|       | 107<br>108<br>109<br>110<br>111   |          | <u> </u> | <u> </u>   | -            | _        | ⊢        | _        | <u> </u>   | Н        |  |
|       | 110   |          | $\vdash$ | -  | ├            | ⊢        | $\vdash$ | ⊢        |            | Н        |  |
|       | 111   |          | $\vdash$ |  | $\vdash$     | ⊢        | -        | ├        | -          | Н        |  |
|       | 112   |          | ┢        | ╁  | ₩            | ┢        | -        | ┝        | -          | Н        |  |
|       | 113   |          | ├─       | <del>                                     </del> | Н            | <u> </u> | $\vdash$ |          |            | Н        |  |
|       | 112<br>113<br>114<br>115  |          | ┪        | $\vdash$   | T            | 1        | Т        |          |            | H        |  |
|       | 115   |          | 1        | ┢  | l —          |          |          |          |            | П        |  |
|       | 116<br>117<br>118<br>119  |          |          |  |              |          |          |          |            |          |  |
|       | 117   |          |          |  |              |          |          |          |            |          |  |
|       | 118   |          |          |  |              |          | L        |          |            |          |  |
|       | 119   |          |          |  |              |          |          |          |            | Ш        |  |
|       | 120   |          | _        | <u> </u>   |              |          | <u> </u> | _        | Ļ          | Ш        |  |
|       | 121   |          | _        | ļ  | L_           |          | ļ.,      | _        | _          | Щ        |  |
|       | 122   |          |          | ┡  | <u> </u>     |          | <u> </u> | <u> </u> | <u> </u>   | Н        |  |
|       | 123   | -        |          |  | ⊢            | _        | ┝        | _        | <u> </u>   |          |  |
|       | 120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130 |          | -        | -  | ├            | ┝        | ⊢        | ├        | $\vdash$   |          |  |
|       | 126   |          |          | -  | ├            | H        | $\vdash$ | -        | -          | Н        |  |
|       | 127   |          |          |  | $\vdash$     | H        |          | H        | ┢          | H        |  |
|       | 128   | •        |          |  | <del> </del> | $\vdash$ |          |          |            | Н        |  |
|       | 129   |          |          |  |              |          |          |          |            | П        |  |
|       | 130   |          |          |  |              |          |          |          |            |          |  |
|       | 131<br>132  |          |          |  |              |          |          |          |            |          |  |
|       | 132   |          | _        |  |              |          |          |          |            | Ш        |  |
|       | 133<br>134  |          |          |  | <u> </u>     |          |          |          | _          | Ш        |  |
|       | 134<br>135  |          |          | -  | <u> </u>     |          |          | _        |            | $\sqcup$ |  |
|       | 135   | _        | _        |  | <u> </u>     | $\vdash$ | _        |          | <u> </u>   | Н        |  |
|       | 136<br>137<br>138   | _        | _        | ├  | $\vdash$     |          | $\vdash$ |          | -          | Н        |  |
|       | 138   |          | _        | $\vdash$   | $\vdash$     | $\vdash$ | -        | Н        | $\vdash$   | Н        |  |
|       | 139   |          | -        | $\vdash$   | Н            | -        | $\vdash$ |          | Т          | H        |  |
|       | 139<br>140  |          |          |  |              |          |          |          |            | Н        |  |
|       | 141   |          |          |  |              |          |          |          |            | П        |  |
|       | 142   |          |          |  |              |          |          |          |            |          |  |
|       | 143   |          |          |  |              |          |          |          |            |          |  |
|       | 144   |          |          | <u> </u>   | L            | Ш        |          |          |            | Ш        |  |
|       | 145   |          |          | Щ  | Ш            | Щ        |          |          | <u> </u>   | Щ        |  |
|       | 146   |          |          | <u> </u>   | <u> </u>     | L-       | <u> </u> |          |            | Ш        |  |
|       | 147   | _        | _        | $\vdash$   | <b>-</b>     | Щ        | _        |          | <u> </u>   | Н        |  |
|       | 148<br>149  | $\dashv$ | _        | -  |              |          | -        |          |            | Н        |  |
|       | 150   | _        |          |  |              |          | _        | <u> </u> | _          | $\vdash$ |  |
|       | 150   | لب       |          |  | اـــــا      |          |          | لـــا    |            |          |  |